

PERFORMANCE WORK STATEMENT (PWS)

Lee County Healthcare Compressor Replacement

A. General

The Department of Veteran Affairs is seeking contractors to provide removal and replacement of compressors as identified in this Statement of Work (SOW). The location of this repair/replacement is Lee County VA Healthcare Center, 2489 Diplomat Parkway East, Cape Coral, Florida 33909.

B. Scope of Work

1. The contractor shall provide all management, supervision, labor, materials, supplies, tools and equipment, necessary to complete the replacement of the compressed air system compressors at the VA Lee County Healthcare Center located at, 2489 Diplomat Parkway East, Cape Coral, Florida 33909.
2. **The contractor** shall provide all materials, labor and any other services required to complete the scope of work.
3. Install Compressor system described below:
4. LSE4005 Powerex Enclosed Rotary Scroll System
HORSEPOWER: 40HP Total, PERFORMANCE: 122 CFM @100 PSI
AIR RECEIVER: 200 Gallon Vertical
SOUND LEVEL (Ea.): 60 dba @ 1 METER
VOLTAGE: 460V, 3ph, 60Hz
AIR DRYERS: Dual Desiccant
MONITORS: Dew Point with on demand purge savor System consists of (4) enclosed 10HP scroll compressors in a single enclosure, a master control panel, an air receiver, and a desiccant dryer package. Each enclosed compressor unit to include in-line intake filter with optional NPT connection for remote piping, high temperature shutdown, and an internal isolation ball valve. System includes (1) compressor modules, and (1) air purification module.
5. Aftercoolers are provided for each compressor pump. Each unit is constructed of copper tubing with metal headers and is to be mounted integral to the compressor enclosure. A liquid separator with automatic float condensate drain is provided to be installed after the final discharge of the air compressor and prior to the tank/dryer assembly. 200 Gallon ASME vertical air receiver with pressure gauge, safety valve, and auto no air loss drain. safety valve, and auto no air loss drain.
6. Dryer System design consists of parallel air dryers with isolation valves, particulate, coalescing, and activated carbon, and regulators, and dew point monitor, corrosion resistant piping cleaned per CGA4.1 for oxygen use. Dryer system is equipped with the following:

- 2 - Desiccant Air Dryers -40 F dew point
- 2 - .01 micron coalescing filters w/ DP indicator and auto drain
- 2 - 1 micron particulate filters w/ DP indicator
- 2 - Pressure reducing valves w/ gauges set @ 95 PSIG
- 1 - Final line safety valve (125 PSIG)
- 1 - Dew Point Monitor for purge control.

- 7. Contractor responsible for Labor and material. Demolition of old Amico Med. Air Equipment (Leave on site) - Setting and piping of new Powerx system - Reconnect of power if it is like for like – Reconnect of alarm wiring - all piping and fittings - night or weekend work.
- 8. Verification Testing of all new Medical Air System per current applicable NFPA 99, codes & startup of unit.
- 9. Verification of dew points as required by VA standards.
- 10. Verification of alarm settings.
- 11. Verification of proper system operation.